Remarks

This Response is responsive to the Office Action of July 12, 2005, for which a response is due by January 12, 2006 with the enclosed three-month extension of time. In the Office Action, the examiner rejected claims 1 – 3 and 9 – 22 under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,496,474 issued to Nagatani et al ("Nagatani") in view of U.S. Publication No. 2005/0094604 ("Ozluturk"). The examiner further rejected claims 4 – 8 under Section 103(a) as being unpatentable over Nagatani in view of Ozluturk and in further view of U.S. Patent No. 6,275,520 issued to Nakamura et al ("Nakamura"). Claims 1 – 22 remain pending. Reexamination and reconsideration in light of the remarks made below are respectfully requested.

In the Office Action, the examiner contends that Ozluturk teaches that the "combination control signal is usable to set one or more weighting coefficients." However, the weighting coefficients of Ozluturk are not related to a control signal of any type, least of all a combination control signal as recited in claim 1. Rather, Ozluturk states that each despread multipath signal has a "corresponding weighting factor, which is obtained from the corresponding multipath weighting factor of the pilot AVC . . . ." *See* Ozluturk, paragraph [0251]. That is, "[t]he message signal AVCs of FIGs. 8a and 8b use the weighting factors produced by the pilot AVC to correct the message data multipath signals." *See id.* at paragraph [0247]. So how are the weighting factors produced? Ozluturk states that the "pilot rake AMF calculates the weighting factors . . . by passing the output of each multiplier 714, 715, 716 through a low

pass filter (LPF) 711, 712, 713." *See id.* at paragraph [0246]. This means that the weighting factors of Ozluturk are determined from trying to minimize the pilot multipath. As such, the weighting factors of Ozluturk are responsive to another received signal, not set by a combination control signal, as recited in the claim 1 for example.

With respect to Nagatami, in the Office Action the examiner submits that the "M sequence generator" of Nagatani relates to the "logic branch" of claim 1. However, the M sequence generator is described as "generat[ing] an M sequence . . . using m bits of data to be sent that are stored in shift register 2 s an initial value." See Nagatani, Col. 4, ll. 7 – 10. In contrast, the logic branch of claim 1 "combines the code phase from i outputs of the shift register." Thus, the M sequence generator of Nagatani feeds the shift registers, whereas the logic branch of claim 1 is fed by the shift registers. If anything, the M sequence generator of Nagatani is more akin to the code generator 602, described in the Background section of the present application, than to the logic branch recited in the present claims.

For the reasons set forth above, Applicant submits that Nagatani, alone or in combination with Ozluturk, fails to anticipate or render obvious the claims of the present application. In particular, there is no teaching or suggestion for using a combination control signal to set weighting coefficients, as recited in the present independent claims.

Applicant respectfully submits that the application is now in condition for allowance. Applicant further submits that the dependent claims are allowable

by virtue of depending on allowable base claims. If there are any questions regarding this Response or the application in general, a telephone call to the undersigned would be appreciated since this should expedite the prosecution of the application for all concerned.

Respectfully submitted,

CROWELL & MORING LLP

Dated: January 12, 2006

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